ELSEVIER

1 January 2000

Optics Communications 173 (2000) 437–443

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 173

Abbaoui, K., see Sanchez, F. 173 (2000) 397
Ageev, L.A., V.K. Miloslavsky, A. Nahal and Y. Shpilevoy, Spontaneous gratings in light-sensitive AgCl–Ag films formed by a normally incident circularly polarized focused laser beam 173 (2000) 285
Allard, M., see Bernard, J.E. 173 (2000) 357
Arimondo, E., see Fuso, F. 173 (2000) 223
Arsenault, H.H., see Garcia-Martinez, P. 173 (2000) 185

Barbosa-García, O., see Mosiño, J.F. 173 (2000) 57
Beléndez, A., see Neipp, C. 173 (2000) 161
Belin, B., see Özen, G. 173 (2000) 341
Bernard, J.E., A.A. Madej, K.J. Siemsen, L. Marmet, C. Latrasse, D. Touahri, M. Poulin, M. Allard and M. Têtu, Absolute frequency measurement of a laser at 1556 nm locked to the $5S_{1/2} - 5D_{5/2}$ two-photon transition in ^{87}Rb 173 (2000) 357
Blake, G.A., see Wu, S. 173 (2000) 371
Blaya, S., L. Carretero, R.F. Madrigal and A. Fimia, Theoretical model of holographic grating formation in photopolymerizable dry films in slanted geometry 173 (2000) 423
Blaya, S., see Fimia, A. 173 (2000) 195
Blinov, L.M., G. Cipparrone, M.V. Kozlovsky, V.V. Lazarev and N. Scaramuzza, Holographic 'development' of a hidden UV image recorded on a liquid crystalline polymer 173 (2000) 137
Boilot, J.P., see Frey, L. 173 (2000) 11
Bourdet, G.L., Gain and absorption saturation coupling in end pumped Tm:YVO_4 and Tm,Ho:YLF CW amplifiers 173 (2000) 333
Brozeit, A., J. Burke and H. Helmers, Active phase stabilisation in electronic speckle pattern interferometry without additional optical components 173 (2000) 95
Burke, J., see Brozeit, A. 173 (2000) 95

Carbone, V., see Cipparrone, G. 173 (2000) 1
Carretero, L., see Fimia, A. 173 (2000) 195
Carretero, L., see Blaya, S. 173 (2000) 423
Cartwright, C.M., see Zhang, H. 173 (2000) 129
Castañeda, R. and Z. Jaroszewicz, Determination of the spatial coherence of Schell-model beams with diffraction gratings 173 (2000) 115
Cha, M., see Kim, B.G. 173 (2000) 377

0030-4018/00/$ - see front matter © 2000 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00737-3

Chan, C.C., J.M. Gong, W. Jin and M.S. Demokan, Investigation of unwanted interferometric signals in a fiber Bragg grating sensor using a tunable laser and a first derivative interrogation technique 173 (2000) 203
Chaput, F., see Frey, L. 173 (2000) 11
Chauvineau, J.P., see Malaurent, J.C. 173 (2000) 255
Chen, H.F., J.M. Liu and T.B. Simpson, Response characteristics of direct current modulation on a bandwidth-enhanced semiconductor laser under strong injection locking 173 (2000) 349
Chen, Z. and M.A. Karim, Frequency-refined multiresolution decomposition using wavelet splitting 173 (2000) 81
Chenais-Popovics, C., see Desauté, P. 173 (2000) 37
Cherruault, Y., see Sanchez, F. 173 (2000) 397
Ciampini, D., see Fuso, F. 173 (2000) 223
Cipparrone, G., G. Russo, C. Versace, G. Strangi and V. Carbone, Polarimetric study of the optically induced dynamical behaviour in nematic liquid crystal films 173 (2000) 1
Cipparrone, G., see Blinov, L.M. 173 (2000) 137
Cook, N.J., see Zhang, H. 173 (2000) 129
Courtial, J. and M.J. Padgett, Limit to the orbital angular momentum per unit energy in a light beam that can be focussed onto a small particle 173 (2000) 269

Darracq, B., see Frey, L. 173 (2000) 11
Da Silva, M.G., see Nóbrega, K.Z. 173 (2000) 413
De la Fuente, R., O. Varela and H. Michinel, Fourier analysis of non-paraxial self-focusing 173 (2000) 403
Demokan, M.S., see Chan, C.C. 173 (2000) 203
Desauté, P., H. Merdji, V. Greiner, T. Missalla, C. Chenais-Popovics and P. Troussel, Characterization of a high resolution transmission grating 173 (2000) 37
De Valcárcel, G.J., see Sánchez-Morcillo, V.J. 173 (2000) 381
Dhez, P., see Malaurent, J.C. 173 (2000) 255
Díaz-Torres, L.A., see Mosiño, J.F. 173 (2000) 57
Ding, M.S., see Zhang, H. 173 (2000) 129
Dong, B.-Z., see Lo, M. 173 (2000) 217
Duval, H., see Malaurent, J.C. 173 (2000) 255

Fantini, S. and E. Gratton, Fluorescence photon-density waves in optically diffusive media 173 (2000) 73
Farmanara, P., see Wittmann, M. 173 (2000) 323
Fedenev, A., see Wieser, J. 173 (2000) 233
Fimia, A., S. Blaya, L. Carretero, R.F. Madrigal and R. Mallavia, Real time study of development process in holographic emulsions 173 (2000) 195
Fimia, A., see Blaya, S. 173 (2000) 423
Fischbach, D.J., see Sorensen, C.M. 173 (2000) 145
Freund, I., Corrigendum to "Critical point explosions in two-dimensional wave fields" [Opt. Commun. 159 (1999) 99–117] 173 (2000) 435
Frey, L., B. Darracq, F. Chaput, K. Lahlil, J.M. Jonathan, G. Roosen, J.P. Boilot and Y. Levy, Surface and volume gratings investigated by the moving grating technique in sol–gel materials 173 (2000) 11
Fuso, F., D. Ciampini, E. Arimondo and C. Gabbanini, Ion processes in the photoionization of laser cooled alkali atoms 173 (2000) 223

Gabbanini, C., see Fuso, F. 173 (2000) 223
Garcia-Martinez, P., H.H. Arsenault and S. Roy, Optical implementation of the sliced orthogonal nonlinear generalized correlation for images degraded by nonoverlapping background noise 173 (2000) 185
Gignoli, A., see Sottini, S. 173 (2000) 389
Gillespie, W.A., see Zhang, H. 173 (2000) 129
Giorgetti, E., see Sottini, S. 173 (2000) 389
Glesk, I., see Toliver, P. 173 (2000) 101
Glückstad, J. and P.C. Mogensen, Reconfigurable ternary-phase array illuminator based on the generalised phase contrast method 173 (2000) 169
Glückstad, J., see Mogensen, P.C. 173 (2000) 177
Gong, J.M., see Chan, C.C. 173 (2000) 203
Grando, D., see Sottini, S. 173 (2000) 389
Gratton, E., see Fantini, S. 173 (2000) 73
Greiner, V., see Desauté, P. 173 (2000) 37
Grill, S., see Stelzer, E.H.K. 173 (2000) 51
Gu, B.-Y., see Lo, M. 173 (2000) 217
Güven, H., see Özen, G. 173 (2000) 341

Hackbarth, S. and B. Röder, Anisotropy shape control via light quenching and ground state depletion 173 (2000) 247
Hainaut, O., see Malaurent, J.C. 173 (2000) 255
Hamam, H., A direct technique for calculating the profile of aberration of the eye measured by a modified Hartmann–Shack apparatus 173 (2000) 23
Hellström, J., see Smilgevičius, V. 173 (2000) 365
Helmers, H., see Brozeit, A. 173 (2000) 95
Hertel, I.V., see Wittmann, M. 173 (2000) 323
Hirokawa, K., see Yamaguchi, T. 173 (2000) 107
Huang, J.Y., see Yang, P.K. 173 (2000) 315

Itoh, K., see Yamaguchi, T. 173 (2000) 107

Jaroszewicz, Z., see Castañeda, R. 173 (2000) 115
Jiang, M., see Liu, J. 173 (2000) 311
Jin, W., see Chan, C.C. 173 (2000) 203
Jonathan, J.M., see Frey, L. 173 (2000) 11

Kandpal, H.C., see Titus, S.S.K. 173 (2000) 45
Karim, M.A., see Chen, Z. 173 (2000) 81
Kim, B.G., B.K. Rhee and M. Cha, Simple measurement of space-charge field in a $LiNbO_3$ crystal doped with 0.65 mol.% MgO using second harmonic generation 173 (2000) 377
King, B., see Lai, S. 173 (2000) 155
Korn, G., see Wittmann, M. 173 (2000) 323
Kozlovsky, M.V., see Blinov, L.M. 173 (2000) 137

Lahlil, K., see Frey, L. 173 (2000) 11
Lai, S., B. King and M.A. Neifeld, Wave front reconstruction by means of phase-shifting digital in-line holography 173 (2000) 155
Latrasse, C., see Bernard, J.E. 173 (2000) 357
Laurell, F., see Smilgevičius, V. 173 (2000) 365
Lazarev, V.V., see Blinov, L.M. 173 (2000) 137
Levy, Y., see Frey, L. 173 (2000) 11
Ling, J., see Wu, S. 173 (2000) 371
Liu, J., Z. Shao, H. Zhang, X. Meng, L. Zhu, J. Wang, Y. Liu and M. Jiang, Diode-laser-array end-pumped intracavity frequency-doubled 3.6 W CW Nd:$GdVO_4$/KTP green laser 173 (2000) 311
Liu, J.M., see Chen, H.F. 173 (2000) 349
Liu, L., see Wang, H. 173 (2000) 17
Liu, Y., see Liu, J. 173 (2000) 311
Lo, M., B.-Z. Dong, B.-Y. Gu and P. Meyrueis, Non-periodic diffractive phase element for wavelength-division (de)multiplexing 173 (2000) 217

Madej, A.A., see Bernard, J.E. 173 (2000) 357
Madrigal, R.F., see Fimia, A. 173 (2000) 195
Madrigal, R.F., see Blaya, S. 173 (2000) 423
Malaurent, J.C., H. Duval, J.P. Chauvineau, O. Hainaut, A. Raynal and P. Dhez, In situ X-ray multilayer reflectometry based on the energy dispersive method 173 (2000) 255
Mallavia, R., see Fimia, A. 173 (2000) 195
Marmet, L., see Bernard, J.E. 173 (2000) 357
Meneses-Nava, M.A., see Mosiño, J.F. 173 (2000) 57
Meng, X., see Liu, J. 173 (2000) 311
Merdji, H., see Desauté, P. 173 (2000) 37
Meyrueis, P., see Lo, M. 173 (2000) 217
Michinel, H., see de la Fuente, R. 173 (2000) 403
Miloslavsky, V.K., see Ageev, L.A. 173 (2000) 285
Missalla, T., see Desauté, P. 173 (2000) 37
Mogensen, P.C. and J. Glückstad, A phase-based optical encryption system with polarisation encoding 173 (2000) 177
Mogensen, P.C., see Glückstad, J. 173 (2000) 169
Mosiño, J.F., O. Barbosa-García, A. Starodumov, L.A. Díaz-Torres, M.A. Meneses-Nava and J.T. Vega-Durán, Evolution of partially polarized light through non-depolarizing anisotropic media 173 (2000) 57

Nahal, A., see Ageev, L.A. 173 (2000) 285
Nam, C.H., see Shin, Y.S. 173 (2000) 303
Neifeld, M.A., see Lai, S. 173 (2000) 155
Neipp, C., A. Beléndez and I. Pascual, The influence of the development in silver halide sensitized gelatin holograms derived from PFG-01 plates 173 (2000) 161
Ngoi, B.K.A., K. Venkatakrishnan and B. Tan, Laser scanning heterodyne-interferometer for micro-components 173 (2000) 291
Nóbrega, K.Z., M.G. da Silva and A.S.B. Sombra, Multistable all-optical switching behavior of the asymmetric nonlinear directional coupler 173 (2000) 413

Ovchinnikov, Yu.B., A temporal imaging and microscopy of atoms 173 (2000) 275
Özen, G., B. Belin, G. Yildirim and H. Güven, Lanthanum lutetium gallium garnets doped with Cr^{3+} and Nd^{3+} ions: analyses of elemental compositio and energy transfer 173 (2000) 341

Padgett, M.J., see Courtial, J. 173 (2000) 269
Palchetti, L., see Sottini, S. 173 (2000) 389
Park, J.R., see Shin, Y.S. 173 (2000) 303
Pascual, I., see Neipp, C. 173 (2000) 161
Pasiškevičius, V., see Smilgevičius, V. 173 (2000) 365
Piskarskas, A., see Smilgevičius, V. 173 (2000) 365
Poulin, M., see Bernard, J.E. 173 (2000) 357
Prucnal, P.R., see Toliver, P. 173 (2000) 101

Radloff, W., see Wittmann, M. 173 (2000) 323
Raynal, A., see Malaurent, J.C. 173 (2000) 255
Rhee, B.K., see Kim, B.G. 173 (2000) 377
Röder, B., see Hackbarth, S. 173 (2000) 247
Roldán, E., see Sánchez-Morcillo, V.J. 173 (2000) 381
Roosen, G., see Frey, L. 173 (2000) 11
Roy, S., see Garcia-Martinez, P. 173 (2000) 185
Russo, G., see Cipparrone, G. 173 (2000) 1

Salvermoser, M., see Wieser, J. 173 (2000) 233
Sanchez, F., K. Abbaoui and Y. Cherruault, Beyond the thin-sheet approximation: Adomian's decomposition 173 (2000) 397
Sánchez-Morcillo, V.J., G.J. de Valcárcel and E. Roldán, Polarization instability in anisotropic-cavity degenerate four-wave mixing 173 (2000) 381
Scaramuzza, N., see Blinov, L.M. 173 (2000) 137
Shao, Z., see Liu, J. 173 (2000) 311
Shin, Y.S., T.H. Yoon, J.R. Park and C.H. Nam, Simple methods for measuring the linewidth enhancement factor in external cavity laser diodes 173 (2000) 303
Shpilevoy, Y., see Ageev, L.A. 173 (2000) 285
Siemsen, K.J., see Bernard, J.E. 173 (2000) 357
Simpson, T.B., see Chen, H.F. 173 (2000) 349
Smilgevičius, V., A. Stabinis, A. Piskarskas, V. Pasiškevičius, J. Hellström, S. Wang and F. Laurell, Noncollinear optical parametric oscillator with periodically poled KTP 173 (2000) 365
Sombra, A.S.B., see Nóbrega, K.Z. 173 (2000) 413
Song, D., see Tan, S. 173 (2000) 123
Sorensen, C.M. and D.J. Fischbach, Patterns in Mie scattering 173 (2000) 145
Sottini, S., E. Giorgetti, A. Gignoli, L. Palchetti and D. Grando, Guided-light two-wave-mixing on a spherical surface 173 (2000) 389
Stabinis, A., see Smilgevičius, V. 173 (2000) 365
Starodumov, A., see Mosiño, J.F. 173 (2000) 57
Steinkellner, O., see Wittmann, M. 173 (2000) 323
Stelzer, E.H.K. and S. Grill, The uncertainty principle applied to estimate focal spot dimensions 173 (2000) 51

Stert, V., see Wittmann, M. 173 (2000) 323
Strangi, G., see Cipparrone, G. 173 (2000) 1
Sun, S., see Wu, S. 173 (2000) 371

Tan, B., see Ngoi, B.K.A. 173 (2000) 291
Tan, S., D. Song and L. Zeng, A tracking fringe method for measuring the shape and position of a swimming fish 173 (2000) 123
Têtu, M., see Bernard, J.E. 173 (2000) 357
Titus, S.S.K., A. Wasan, J.S. Vaishya and H.C. Kandpal, Determination of phase and amplitude of degree of coherence from spectroscopic measurements 173 (2000) 45
Toliver, P., I. Glesk and P.R. Prucnal, All-optical clock and data separation technique for asynchronous packet-switched optical time-division-multiplexed networks 173 (2000) 101
Touahri, D., see Bernard, J.E. 173 (2000) 357
Troussel, P., see Desauté, P. 173 (2000) 37

Ulrich, A., see Wieser, J. 173 (2000) 233

Vaishya, J.S., see Titus, S.S.K. 173 (2000) 45
Varela, O., see de la Fuente, R. 173 (2000) 403
Vega-Durán, J.T., see Mosiño, J.F. 173 (2000) 57
Venkatakrishnan, K., see Ngoi, B.K.A. 173 (2000) 291
Versace, C., see Cipparrone, G. 173 (2000) 1

Wang, H., C. Zhou and L. Liu, Simple Fresnel diffraction equations of a grating for Talbot array illumination 173 (2000) 17
Wang, J., see Liu, J. 173 (2000) 311
Wang, S., see Smilgevičius, V. 173 (2000) 365
Wang, Z.Q., see Zhang, H. 173 (2000) 129
Wasan, A., see Titus, S.S.K. 173 (2000) 45
Wick, M.T., see Wittmann, M. 173 (2000) 323
Wieser, J., A. Ulrich, A. Fedenev and M. Salvermoser, Novel pathways to the assignment of the third rare gas excimer continua 173 (2000) 233
Wittmann, M., M.T. Wick, O. Steinkellner, P. Farmanara, V. Stert, W. Radloff, G. Korn and I.V. Hertel, Generation of femtosecond VUV pulses and their application to time resolved spectroscopy in the gas phase 173 (2000) 323
Wu, S., G.A. Blake, S. Sun and J. Ling, A multicrystal harmonic generator that compensates for thermally induced phase mismatch 173 (2000) 371

Yamaguchi, T., K. Hirokawa and K. Itoh, Independent component analysis by transforming a scatter diagram of mixtures of signals 173 (2000) 107
Yang, P.K. and J.Y. Huang, An inexpensive diode-pumped mode-locked Nd:YVO_4 laser for nonlinear optical microscopy 173 (2000) 315
Yi, S., Observation of the scattered TE- and TM-mode coupling in active dielectric cylinder 173 (2000) 211
Yildirim, G., see Özen, G. 173 (2000) 341
Yoon, T.H., see Shin, Y.S. 173 (2000) 303

Zeng, L., see Tan, S. 173 (2000) 123
Zhang, H., C.M. Cartwright, M.S. Ding, Z.Q. Wang, N.J. Cook and W.A. Gillespie, Experimental implementation of a photorefractive joint transform correlator with circular harmonic filters 173 (2000) 129
Zhang, H., see Liu, J. 173 (2000) 311
Zheng, S.-B., A simplified scheme for testing complementarity and realizing quantum eraser 173 (2000) 265
Zhou, C., see Wang, H. 173 (2000) 17
Zhu, L., see Liu, J. 173 (2000) 311

1 January 2000

ELSEVIER

Optics Communications 173 (2000) 445–448

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 173

Editorial Guidelines and Instructions to Authors v

Editorial xi

Propagation and scattering

G. Cipparrone, G. Russo, C. Versace, G. Strangi and V. Carbone, Polarimetric study of the optically induced dynamical behaviour in nematic liquid crystal films 1

L. Frey, B. Darracq, F. Chaput, K. Lahlil, J.M. Jonathan, G. Roosen, J.P. Boilot and Y. Levy, Surface and volume gratings investigated by the moving grating technique in sol–gel materials 11

H. Wang, C. Zhou and L. Liu, Simple Fresnel diffraction equations of a grating for Talbot array illumination 17

H. Hamam, A direct technique for calculating the profile of aberration of the eye measured by a modified Hartmann–Shack apparatus 23

P. Desauté, H. Merdji, V. Greiner, T. Missalla, C. Chenais-Popovics and P. Troussel, Characterization of a high resolution transmission grating 37

S.S.K. Titus, A. Wasan, J.S. Vaishya and H.C. Kandpal, Determination of phase and amplitude of degree of coherence from spectroscopic measurements 45

E.H.K. Stelzer and S. Grill, The uncertainty principle applied to estimate focal spot dimensions 51

J.F. Mosiño, O. Barbosa-García, A. Starodumov, L.A. Díaz-Torres, M.A. Meneses-Nava and J.T. Vega-Durán, Evolution of partially polarized light through non-depolarizing anisotropic media 57

S. Fantini and E. Gratton, Fluorescence photon-density waves in optically diffusive media 73

Optical information, image formation and analysis, optical computing

Z. Chen and M.A. Karim, Frequency-refined multiresolution decomposition using wavelet splitting 81

0030-4018/00/$ - see front matter © 2000 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00738-5

A. Brozeit, J. Burke and H. Helmers, Active phase stabilisation in electronic speckle pattern interferometry without additional optical components 95

P. Toliver, I. Glesk and P.R. Prucnal, All-optical clock and data separation technique for asynchronous packet-switched optical time-division-multiplexed networks 101

T. Yamaguchi, K. Hirokawa and K. Itoh, Independent component analysis by transforming a scatter diagram of mixtures of signals 107

R. Castañeda and Z. Jaroszewicz, Determination of the spatial coherence of Schell-model beams with diffraction gratings 115

S. Tan, D. Song and L. Zeng, A tracking fringe method for measuring the shape and position of a swimming fish 123

H. Zhang, C.M. Cartwright, M.S. Ding, Z.Q. Wang, N.J. Cook and W.A. Gillespie, Experimental implementation of a photorefractive joint transform correlator with circular harmonic filters 129

L.M. Blinov, G. Cipparrone, M.V. Kozlovsky, V.V. Lazarev and N. Scaramuzza, Holographic 'development' of a hidden UV image recorded on a liquid crystalline polymer 137

C.M. Sorensen and D.J. Fischbach, Patterns in Mie scattering 145

S. Lai, B. King and M.A. Neifeld, Wave front reconstruction by means of phase-shifting digital in-line holography 155

C. Neipp, A. Beléndez and I. Pascual, The influence of the development in silver halide sensitized gelatin holograms derived from PFG-01 plates 161

J. Glückstad and P.C. Mogensen, Reconfigurable ternary-phase array illuminator based on the generalised phase contrast method 169

P.C. Mogensen and J. Glückstad, A phase-based optical encryption system with polarisation encoding 177

P. Garcia-Martinez, H.H. Arsenault and S. Roy, Optical implementation of the sliced orthogonal nonlinear generalized correlation for images degraded by nonoverlapping background noise 185

A. Fimia, S. Blaya, L. Carretero, R.F. Madrigal and R. Mallavia, Real time study of development process in holographic emulsions 195

C.C. Chan, J.M. Gong, W. Jin and M.S. Demokan, Investigation of unwanted interferometric signals in a fiber Bragg grating sensor using a tunable laser and a first derivative interrogation technique 203

Optical communications

S. Yi, Observation of the scattered TE- and TM-mode coupling in active dielectric cylinder 211

M. Lo, B.-Z. Dong, B.-Y. Gu and P. Meyrueis, Non-periodic diffractive phase element for wavelength-division (de)multiplexing 217

Atomic and molecular physics

F. Fuso, D. Ciampini, E. Arimondo and C. Gabbanini, Ion processes in the photoionization of laser cooled alkali atoms 223

J. Wieser, A. Ulrich, A. Fedenev and M. Salvermoser, Novel pathways to the assignment of the third rare gas excimer continua 233

St. Hackbarth and B. Röder, Anisotropy shape control via light quenching and ground state depletion 247

Condensed matter

J.C. Malaurent, H. Duval, J.P. Chauvineau, O. Hainaut, A. Raynal and P. Dhez, In situ X-ray multilayer reflectometry based on the energy dispersive method 255

Quantum optics

S.-B. Zheng, A simplified scheme for testing complementarity and realizing quantum eraser 265

J. Courtial and M.J. Padgett, Limit to the orbital angular momentum per unit energy in a light beam that can be focussed onto a small particle 269

Yu.B. Ovchinnikov, A temporal imaging and microscopy of atoms 275

Laser physics and laser sources

L.A. Ageev, V.K. Miloslavsky, A. Nahal and Y. Shpilevoy, Spontaneous gratings in light-sensitive AgCl–Ag films formed by a normally incident circularly polarized focused laser beam 285

B.K.A. Ngoi, K. Venkatakrishnan and B. Tan, Laser scanning heterodyne-interferometer for micro-components 291

Y.S. Shin, T.H. Yoon, J.R. Park and C.H. Nam, Simple methods for measuring the linewidth enhancement factor in external cavity laser diodes 303

J. Liu, Z. Shao, H. Zhang, X. Meng, L. Zhu, J. Wang, Y. Liu and M. Jiang, Diode-laser-array end-pumped intracavity frequency-doubled 3.6 W CW Nd:$GdVO_4$/KTP green laser 311

P.K. Yang and J.Y. Huang, An inexpensive diode-pumped mode-locked Nd:YVO_4 laser for nonlinear optical microscopy 315

M. Wittmann, M.T. Wick, O. Steinkellner, P. Farmanara, V. Stert, W. Radloff, G. Korn and I.V. Hertel, Generation of femtosecond VUV pulses and their application to time resolved spectroscopy in the gas phase 323

G.L. Bourdet, Gain and absorption saturation coupling in end pumped Tm:YVO_4 and Tm,Ho:YLF CW amplifiers 333

G. Özen, B. Belin, G. Yildirim and H. Güven, Lanthanum lutetium gallium garnets doped with Cr^{3+} and Nd^{3+} ions: analyses of elemental composition and energy transfer 341

H.F. Chen, J.M. Liu and T.B. Simpson, Response characteristics of direct current modulation on a bandwidth-enhanced semiconductor laser under strong injection locking 349

J.E. Bernard, A.A. Madej, K.J. Siemsen, L. Marmet, C. Latrasse, D. Touahri, M. Poulin, M. Allard and M. Têtu, Absolute frequency measurement of a laser at 1556 nm locked to the $5S_{1/2} - 5D_{5/2}$ two-photon transition in ^{87}Rb 357

Nonlinear optics

V. Smilgevičius, A. Stabinis, A. Piskarskas, V. Pasiškevičius, J. Hellström, S. Wang and F. Laurell, Noncollinear optical parametric oscillator with periodically poled KTP 365

S. Wu, G.A. Blake, S. Sun and J. Ling, A multicrystal harmonic generator that compensates for thermally induced phase mismatch 371

B.G. Kim, B.K. Rhee and M. Cha, Simple measurement of space-charge field in a $LiNbO_3$ crystal doped with 0.65 mol.% MgO using second harmonic generation 377

V.J. Sánchez-Morcillo, G.J. de Valcárcel and E. Roldán, Polarization instability in anisotropic-cavity degenerate four-wave mixing 381

S. Sottini, E. Giorgetti, A. Gignoli, L. Palchetti and D. Grando, Guided-light two-wave-mixing on a spherical surface 389

F. Sanchez, K. Abbaoui and Y. Cherruault, Beyond the thin-sheet approximation: Adomian's decomposition 397

R. de la Fuente, O. Varela and H. Michinel, Fourier analysis of non-paraxial self-focusing 403

K.Z. Nóbrega, M.G. da Silva and A.S.B. Sombra, Multistable all-optical switching behavior of the asymmetric nonlinear directional coupler 413

S. Blaya, L. Carretero, R.F. Madrigal and A. Fimia, Theoretical model of holographic grating formation in photopolymerizable dry films in slanted geometry 423

Corrigendum

I. Freund, Corrigendum to "Critical point explosions in two-dimensional wave fields" [Opt. Commun. 159 (1999) 99–117] 435

Author index to volume 173 437

Subject index to volume 173 445

EPS Newsletter

Forthcoming meetings with ICO participation